

SMRT Cities Columbus: Segment 4

ORGANIZED DISCUSSION NOTES (Original Notes follow)

Issue	Feature/capability	Users	Model orgs.
Traffic/pedestrians/cyclists/ADA			
Understand (foot) traffic in region Understand types of traffic over time in region - scooter, foot, etc. (Minimize travel distances)	Heat mapping (for marketing, etc.) Origin and destination info. Demographic info.	Business owners Marketers RE brokers Property owners	Chariot/Chase
Accessibility – senior mobility, disabled Wheelchair accessible – which neighborhoods have accessibility	Data on accessibility Sidewalks, ramps, lighting Zoning considerations/guidelines	Seniors Others w/ access. Issues Foot travelers	Dublin – circulator routes
Land use – as relates to transportation/traffic Congestion/density as positive or negative	Parking data, parking min. and max. qtls. Variances from City (of Columbus, other) Traffic data Mobility - moving a person point A to B	Citizens	NOT Chariot/Chase
Tracking (or locating people)	Locating disabled indiv. if lost – safety – get to job and back – tracking capability without privacy issues	Disabled individuals Community Shelter Board	???
Traffic control more flexible – esp. during special events (ex. Arnold), accidents, rush hour, weather issues	Control remotely and communicate between them – signals, etc. Flexible to deal with issues as they happen Automated, made smart Networked traffic systems – signals, etc.	Drivers	311 Service
Increase driving safety: Predict car crashes – locations Potholes Icy roads, black ice Rain/slick roads	Overlay traffic and weather data Real-time, other users' data ratings Crowdsourced data – credibility of data With load balancing, trusted sources Camera feed – gives you a score and put into route Insurance claims, etc. as supporting data	Workers Drivers Companies ODOT/City	Honda data from cars – ex. black ice, raining, potholes (TNEDICCA/Powell insurance co.)
Increase driving safety: What streets are plowed? Safe?	Score that tells you which streets are plowed – city info. Prioritize on safety	Drivers	Dublin SnowGo – real-time data on plowed streets

Issue	Feature/capability	Users	Model orgs.
Cyclists/pedestrians safety	Cyclists can report dangerous locations Opt-in tracking Throughput on road Multi-use paths – safe? Ice, debris, flooding, crime, access points Areas with more texting? Glow in the dark pavement markings	Cyclists/pedestrians	Tri-Met Open Sidewalks MORPC sidewalks tool Road ID (opt in data)
ADA-friendly sidewalks for the blind, wheelchair-bound, etc.	Crowdsourced open mapping for sidewalks Data from the impaired user – has utilized in the past – best evaluation Standardize crosswalk symbols	People with special needs	Seattle, Portland MORPC OSU audible crosswalks
Data Visualization			
Data visualization Visualize data, overlay data sets before diving into analysis Ex. Predict disease outbreaks from changes to vegetation	Geospatial data - mapped data Sidewalk inventory – (ArcGIS/MORPC) NASA data mapping tool – GIF – easy to share Common formatting, Geospatial data – draw on map, layering	S'ware Developers Marketers Prop. Developers	NASA Worldview OpenStreetMaps
Data Sharing/Service Coordination			
Coordinate and collaborate Govt. services provided by private co's, and nonprofits Consumers/users – remote/distributed services from various orgs.	Smart City API – pre-built software Ex. Dev. Disability indiv. – county agencies – private providers – underage and age-outs – different services and needs Offer private agencies and their vendors, parents – more efficient/effective collaboration between agencies, nonprofits Ex. Case worker provides services Service catalog Follow up with SMEs (Subj. Matter Experts) Coordination with various agencies – no uniform systems <u>across</u> providers	Private co's Nonprofits Consumers/users	TransitUs (United Way Pathways to Prosperity)

Issue	Feature/capability	Users	Model orgs.
<p>Live, real-time data, many sources Anyone can post to it Trusted sources can post or be prioritized Report issues in real-time Characteristic of OS</p>	<p>Catalog of services/API – open, sign up for it – post to it from various sources – live and real-time data Proxy – being connected so they can be accessed – one service – not many diff. ones Partners can post to it Post data back End user can update data Ex. is a road flooding? Report issues, problems</p>	<p>Homeless agencies Public Service Providers SW Developers Drivers</p> <p>Citizens of Columbus</p>	Waze
How can OS help city fulfill its functions? – ex. Refuse collection	<p>Allow adjustments in real time Agile, crowdsourcing, edge sensing</p>	Trusted entity – ex. bus drivers	???
<p>Need a central place for data to be shared – ex. police, Parks and Rec, City, etc. (parades, walks/races, etc.)</p> <p>Need data curator/AI</p>	<p>API/EDI – go grab <u>automatically</u> data where it lives now and bring to central point – one time integration with each entity that needs it</p> <p>Data goes to SCOS with little/no effort from data owner</p> <p>MORPC data – legacy and trends GIS aggregation – bring community into that</p>	Public services, govt. entities, agencies, universities, etc.	Data.world
<p>Get messaging out to a specific area Micro communications, segments Neighborhoods</p> <p>Messaging around Geolocation/tracking</p>	<p>Ex. NextDoor app Can you customize alerts you get? Govt. has issues getting in the middle of info. exchange – liability, accuracy, etc. Don't track identity – privacy Inform police depts. etc.</p>	Residents	Public Svc. Dept.
How do we serve the “unconnected” or minimally-connected citizen?	<p>Traffic signs – like ODOT Bus stops? – information source</p>	People without cellphones or min. plans	Common Payment System/Multi-modal system

Communicating with citizens during power outage or disaster	No electronics and no power	People in a power outage or disaster	New Orleans warning system
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Issue	Feature/capability	Users	Model orgs.
Nonprofit Challenges			
Nonprofit funding Data to support nonprofits	Understand how you measure your impact Zip code-based data, census data Need metrics/KPIs report to BOD, donors	BOD Donors Nonprofit employees	???
Nonprofit planning - need info. on other events – to avoid or coordinate Esp. with event planning	Need to know OSU games, parking/alternative transportation options	Nonprofit employees, event planners	???
Nonprofit needs to get people to their service Information about what service is available	Communications about nonprofits and offerings Incentivize people to give us their data	Users/prospective users of services	???
Nonprofit volunteer management and encouragement	Need to recruit volunteers, etc. Schedule volunteers Keep volunteers engaged	Nonprofit employees	???
Nonprofit operating efficiencies – workflow, data, cut costs Nonprofits - logistics, planning	Can we pool resources for a number of nonprofits? Tool-based enhancements – for data analysis – ex. Geospatial data – draw on map, layering	???	???
Nonprofits – succession planning, recruiting members	???	???	???
Nonprofit promoting upward mobility of neighborhood and residents/members they are serving	???	???	???
Crime Safety			
Crime safety	Use data to plan walking, where to live Walk audit, trauma care data (Caution about the politics of noting an area is “unsafe” – property value, businesses)	Residents, walkers	City of Columbus ShotWatch – sensors track gun noise to locate
Financial/Unbanked			

How do we deal with the unbanked citizen?	???	People without bank accts. Merchants	???
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ORIGINAL DISCUSSION NOTES

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